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**Sent:** Thursday, April 14, 2011 12:16 PM  
**To:** Hanchett, James (DPH)  
**Subject:** Hot Topics on Chromatography Forum

14 April, 2011

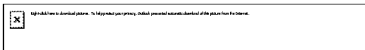
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## Hot Topics on Update

Separation Science e-Learning

# Chromatography Forum

*Chromatography Forum is arguably the most widely used chromatography discussion site on the web. A typical week sees messages covering a wide range of topics in LC, GC, MS, and related techniques. With a full-text search function, the Forum is an unparalleled learning resource. Here are some of the topics currently being discussed:*



### LIQUID CHROMATOGRAPHY

#### "Experiencing poor Sucrose elution"

A discussion of column and eluant choices for sucrose analysis...

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#### "Inorganic ions analysis by HPLC"

Is it possible to simultaneously analyse for inorganic anions and cations using ion-pair chromatography? The answers may surprise you...

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#### "Loss of selectivity in columns at high pH"

Sometimes, problems are not really the fault of the column. Check out the discussion of some potential causes...

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#### "Another Oligosaccharide Separation Question"

Anybody for capillary electrophoresis of carbohydrates? Take a look...

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### GAS CHROMATOGRAPHY

#### "GC-MS problem (methanol is converted to formaldehyde?)"

The hunt for the solution to a problem that appeared suddenly...

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#### "Flow not reaching desired rate"

A lot of suggestions to what started out looking like a simple problem...

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#### "Nitrogen ramping in my base line"

A lot of ideas on why split mode works, but splitless mode has a problem...

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#### "Poor peak shape when analyzing FAMES on GC-FID"

Is it overload? Is it the derivatization? Or is it a stationary phase issue?

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### SAMPLE PREPARATION

#### "Phospholipid Extraction From TLC scrapings"

TLC is not always as simple as it seems, especially when you have to follow it with other techniques. Read about some issues...

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#### "Sample degradation in autosampler"

This thread started in September and is still going. It brings to light some unexpected issues...

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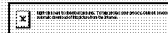


**ASK THE DOCTOR**  
If you have an analytical question for John Dolan...

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